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Dimethyl Phthalate,

$C_{10}H_{10}O_4$ 194.19 CAS RN[®]: 131-11-3.—Viscous, colorless liquid.

Assay

Mobile phase: Prepare a filtered and degassed mixture of chromatographic *n*-heptane and *n*-propyl alcohol (HPLC grade) (97:3). Make adjustments if necessary (see *System Suitability* under [Chromatography \(621\)](#)).

Standard solution: Dissolve a suitable quantity of dimethyl phthalate in *Mobile phase* to obtain a solution having a known concentration of about 0.26 mg per mL.

Procedure: Inject about 20 μ L into a suitable liquid chromatograph (see [Chromatography \(621\)](#)) equipped with a 238-nm detector and a 4.6-mm \times 25-cm column that contains packing L10. The flow rate is about 1.0 mL per minute. The area of the dimethyl phthalate peak is not less than 99% of the total peak area.

REFRACTIVE INDEX (831): between 1.514 and 1.518 at 20°.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
DIMETHYL PHTHALATE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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